

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060168.D
 Acq On : 20 Feb 2020 13:16
 Operator : JC/MD
 Sample : L1601-04ME
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-2ME

Manual Integrations
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MMDadoda
 2/21/2020 9:14:48 AM

Quant Time: Feb 21 03:06:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	324289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182652	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	119669	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.56	113	92950	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
50) Toluene-d8	10.08	98	409357	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.40	95	166262	57.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.28%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.06	83	248526	66.654	ug/l #	77
40) Benzene	8.01	78	30095	3.378	ug/l	100
52) Toluene	10.14	92	2615334	457.729	ug/l	85
67) Ethyl Benzene	11.50	91	4964921	439.815	ug/l #	71
68) m/p-Xylenes	11.61	106	6588361	1555.033	ug/l #	53
69) o-Xylene	11.94	106	3236077	793.280	ug/l	68
73) Isopropylbenzene	12.24	105	700790	51.379	ug/l	100
78) n-propylbenzene	12.59	91	2636529	169.662	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	3155110	278.213	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	6367294m	568.782	ug/l	
85) sec-Butylbenzene	13.17	105	262989	19.794	ug/l #	54
86) p-Isopropyltoluene	13.28	119	116680m	9.693	ug/l	
89) n-Butylbenzene	13.61	91	367029	34.665	ug/l #	61
95) Naphthalene	15.13	128	1405195	150.985	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

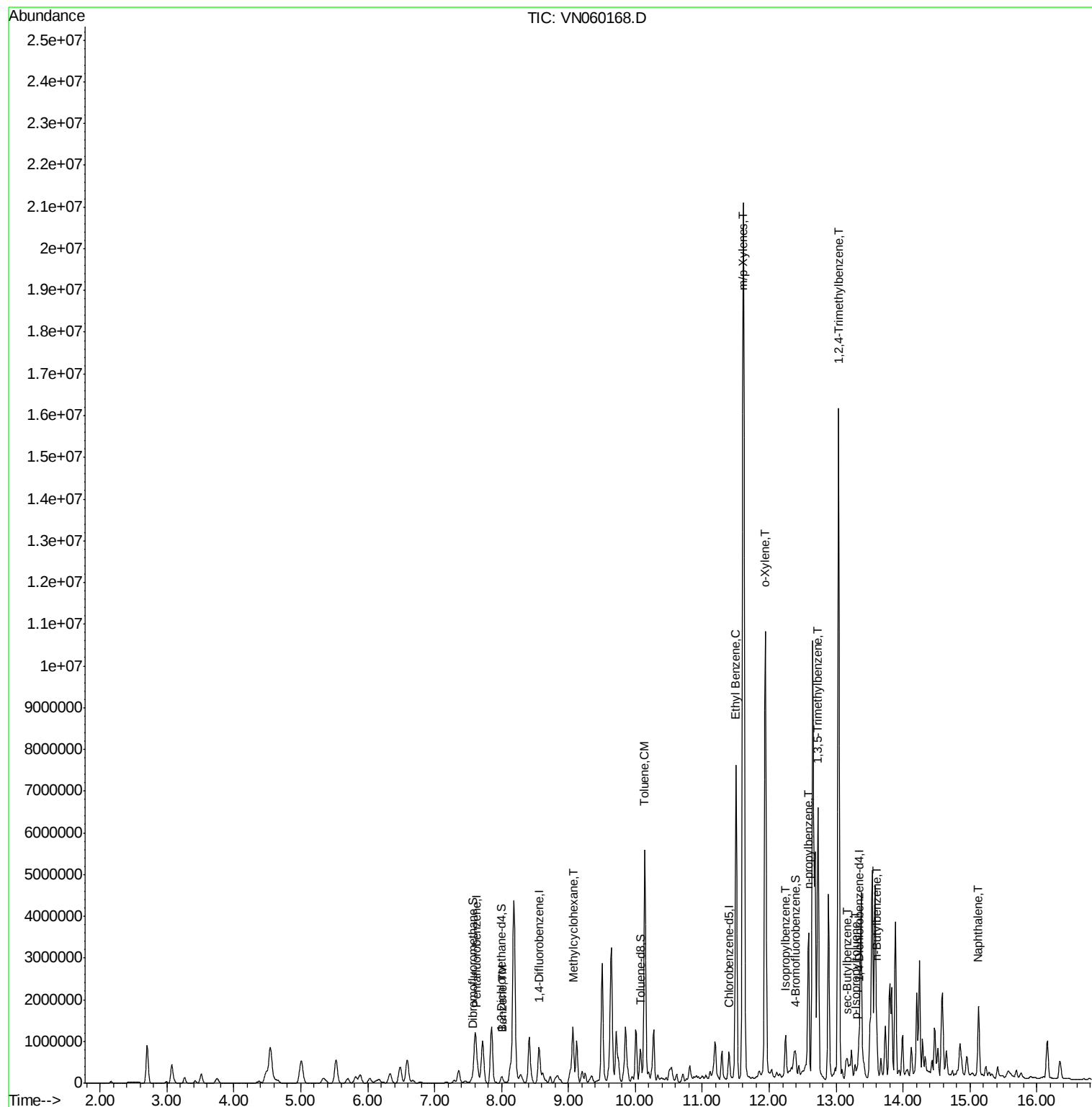
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
Data File : VN060168.D
Acq On : 20 Feb 2020 13:16
Operator : JC/MD
Sample : L1601-04ME
Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

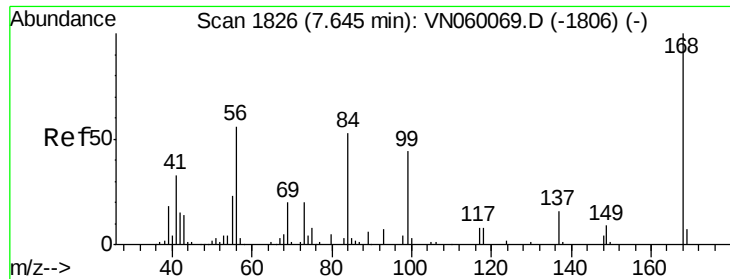
Instrument :
MSVOA_N
ClientSampleId :
SW-2ME

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2/21/2020 9:14:48 AM

Quant Time: Feb 21 03:06:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

SW-2ME

Tot Ion:168 Resp: 201898

Ion Ratio Lower Upper

168 100

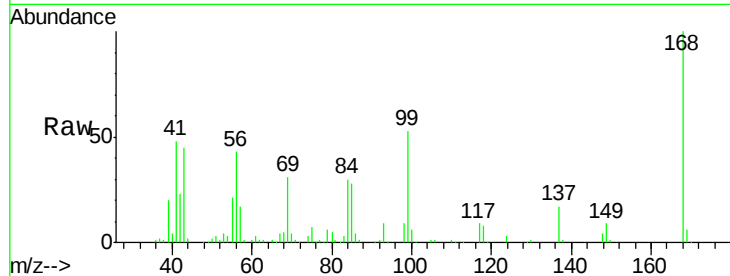
99 53.0 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

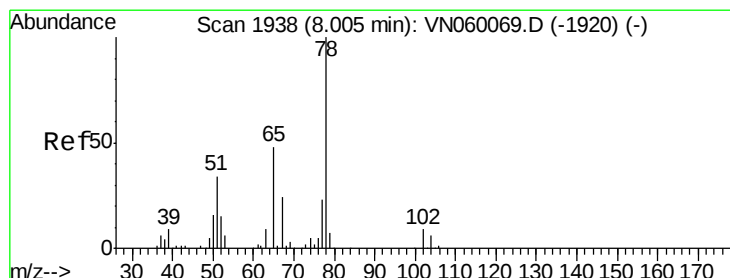
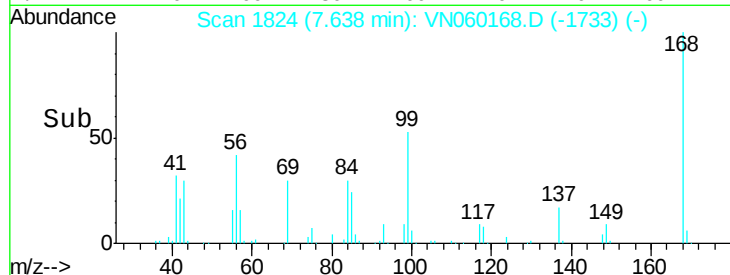
40000

20000

0

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.710 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060168.D

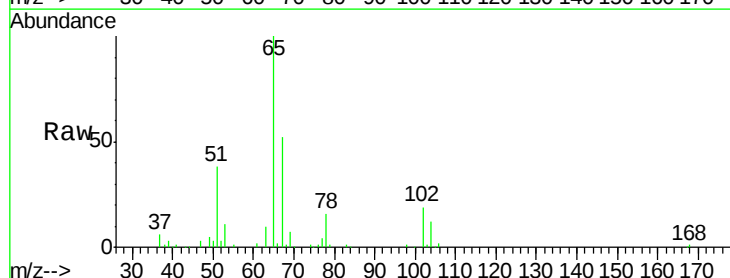
Acq: 20 Feb 2020 13:16

Tgt Ion: 65 Resp: 119669

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.00

60000

50000

40000

30000

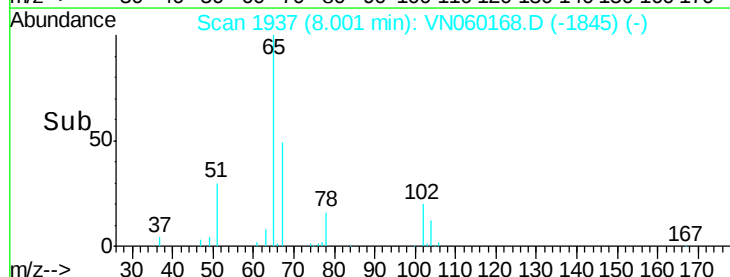
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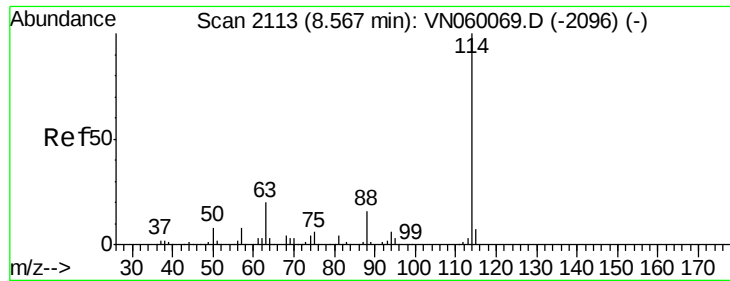
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0

7.90 8.00 8.10

Time-->





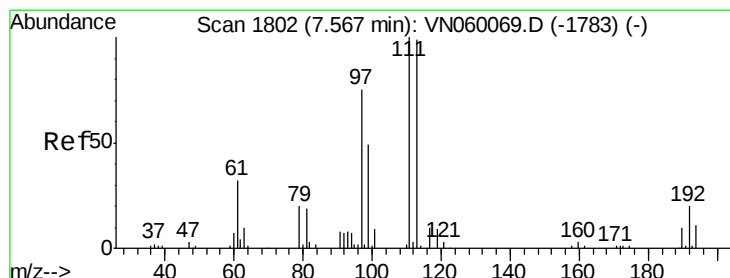
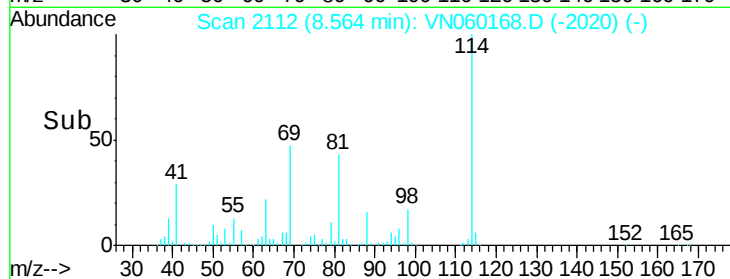
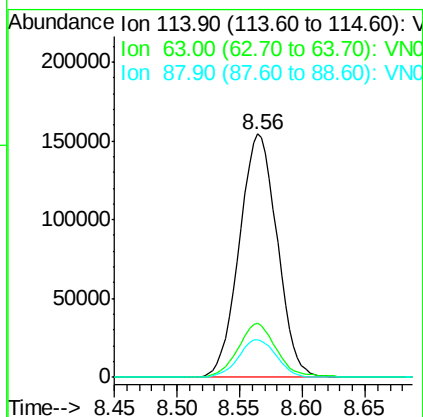
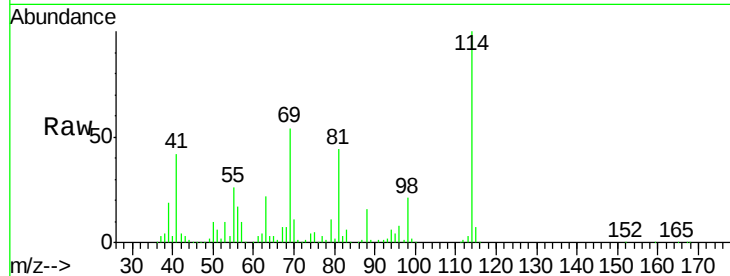
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-2ME

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.0	0.0	40.0
88	15.7	0.0	31.6

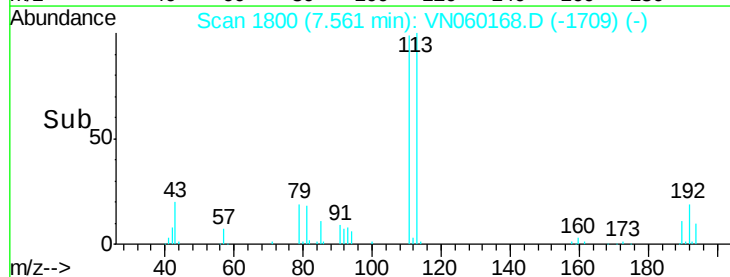
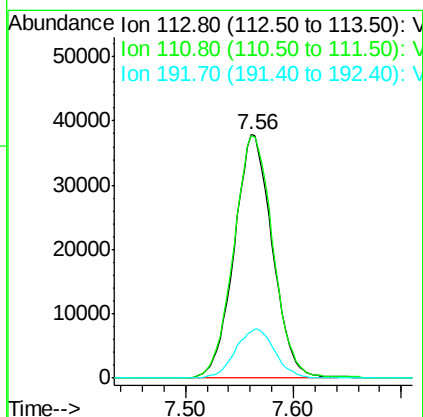
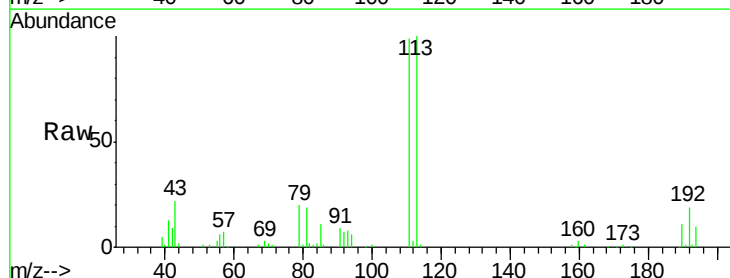
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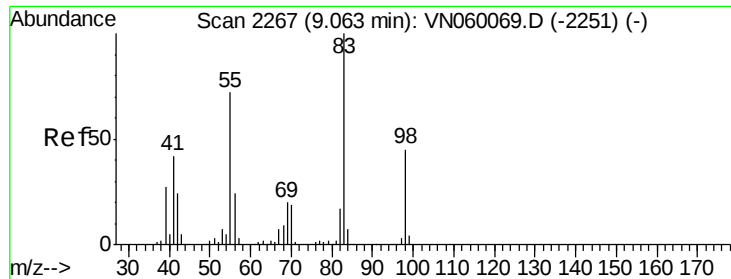
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#35
 Dibromofluoromethane
 Concen: 46.629 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.5	81.4	122.2
192	20.8	16.2	24.2





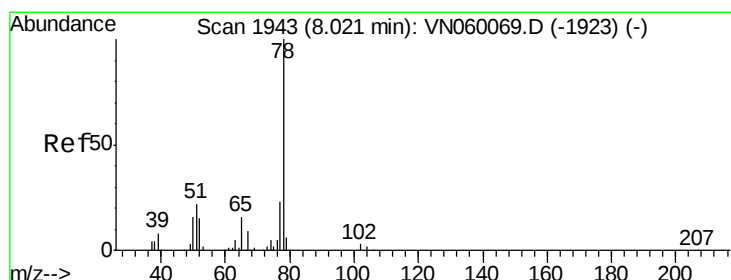
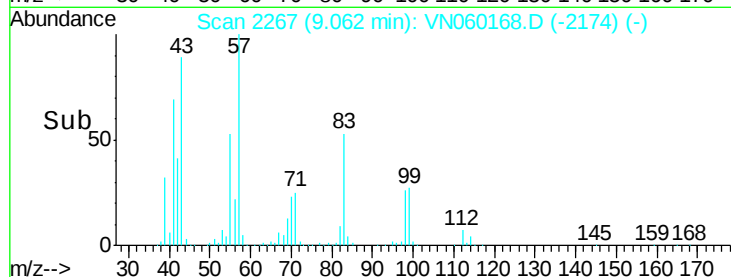
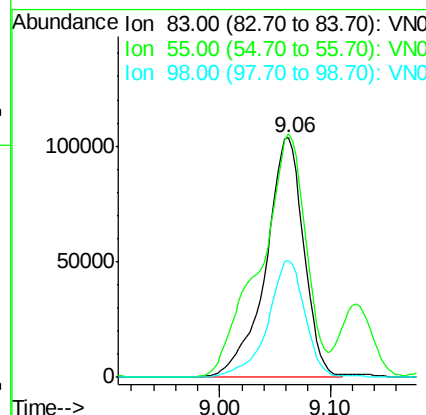
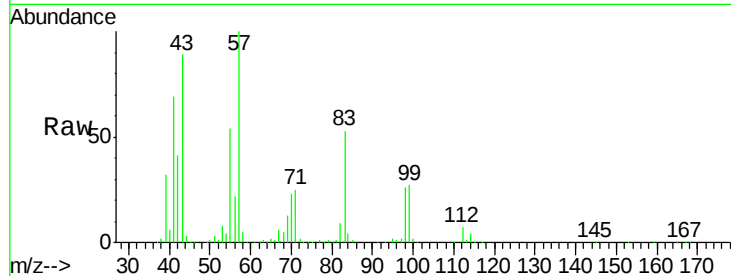
#39
Methvlcvclohexane
Concen: 66.654 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :
SW-2ME

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	101.4	57.8	86.8#	
98	48.9	36.4	54.6	

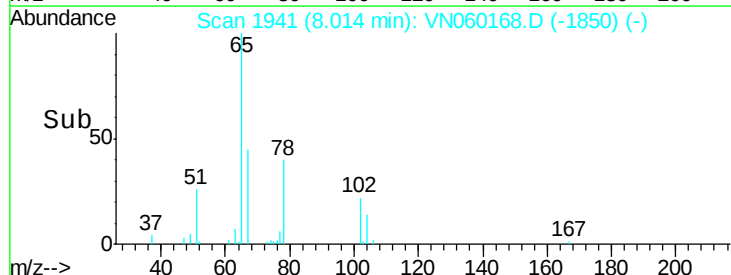
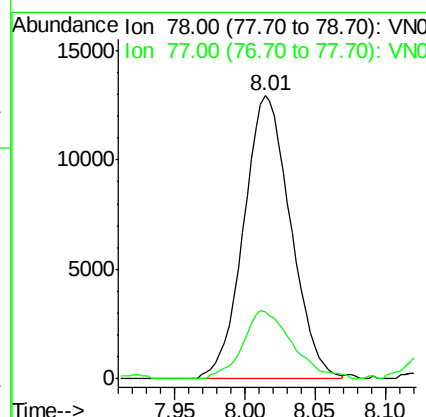
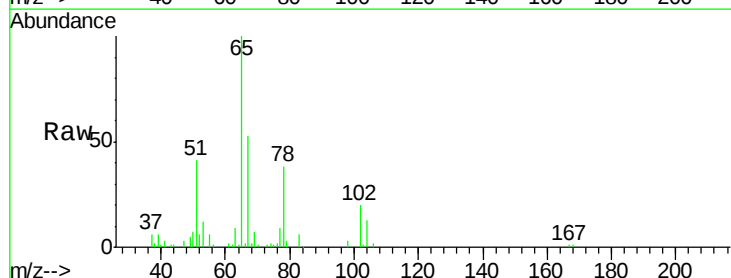
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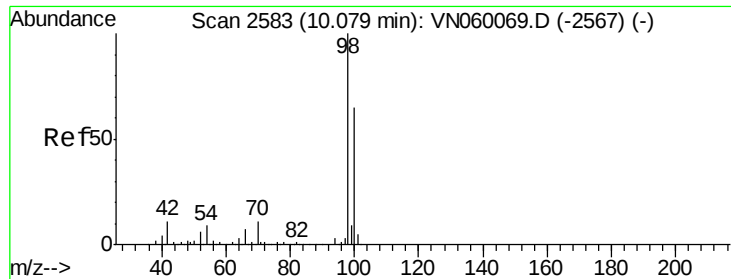
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#40
Benzene
Concen: 3.378 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.8	28.2	





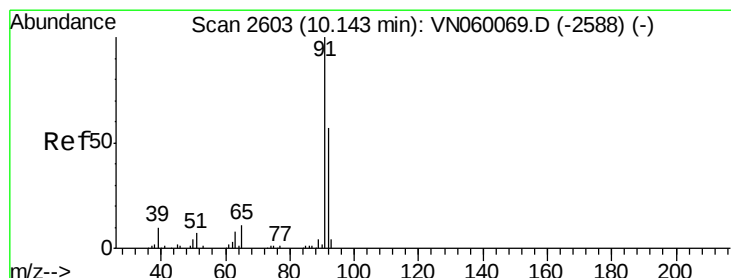
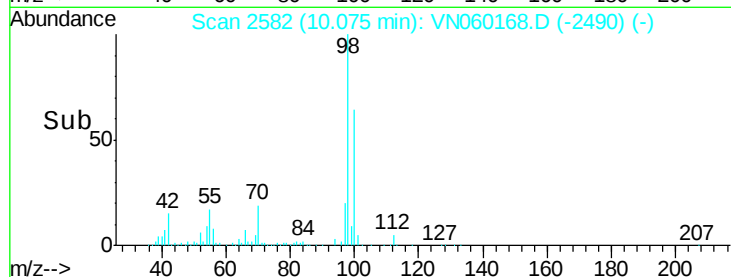
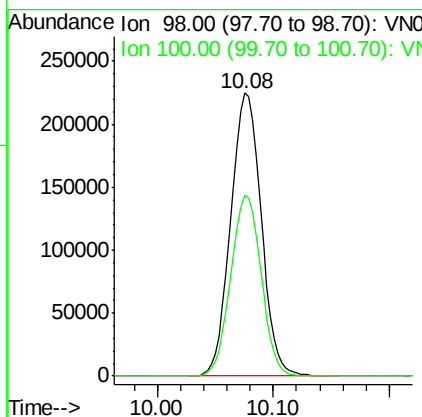
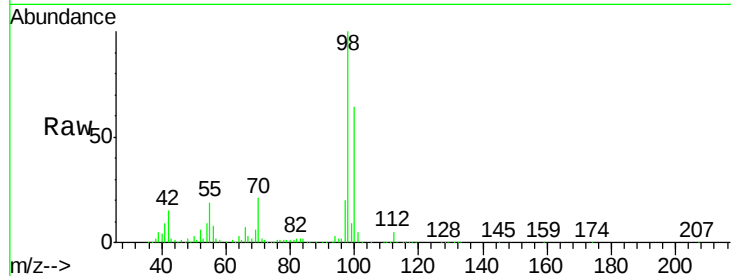
#50
Toluene-d8
Concen: 52.148 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampled :
SW-2ME

Tot Ion: 98 Resp: 409357
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

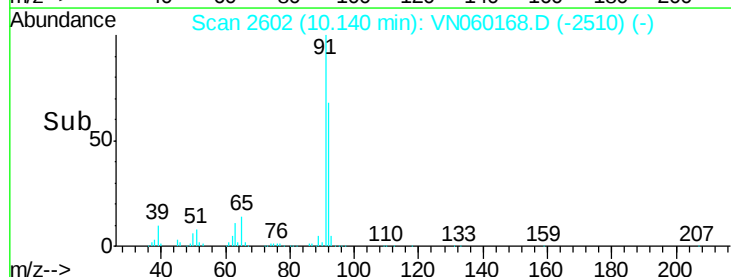
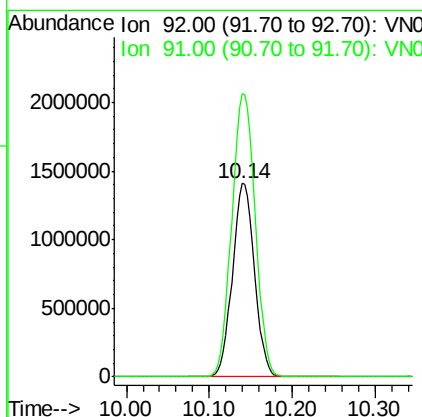
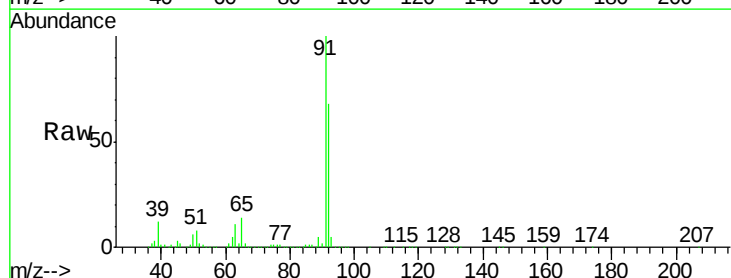
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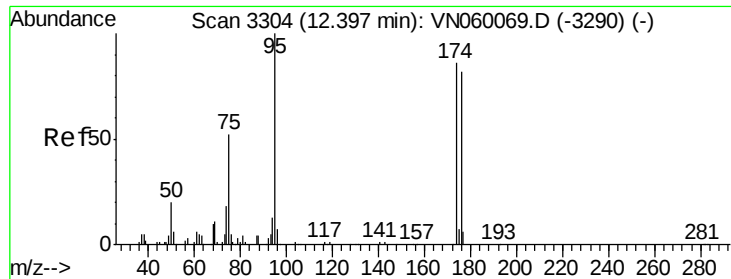
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#52
Toluene
Concen: 457.729 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 92 Resp: 2615334
Ion Ratio Lower Upper
92 100
91 155.6 140.9 211.3





#62

4-Bromofluorobenzene

Concen: 57.640 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

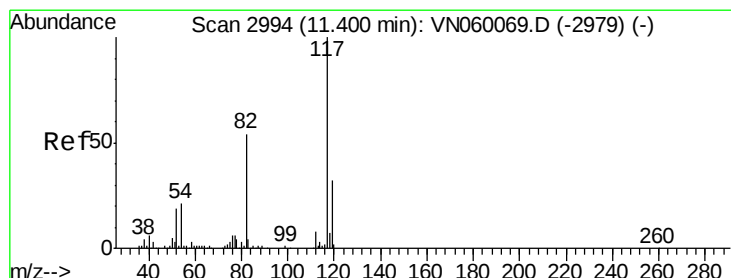
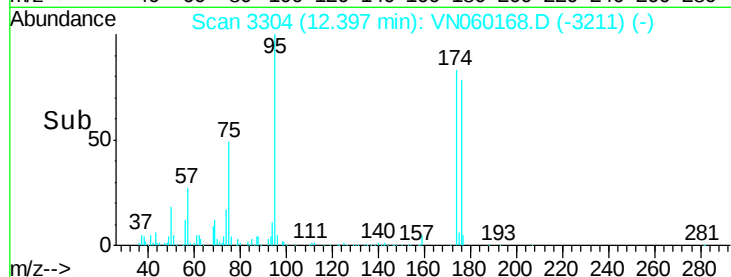
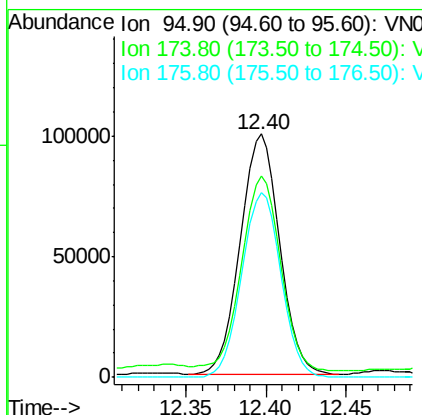
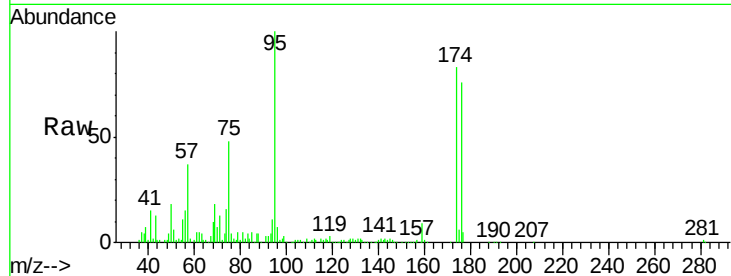
ClientSampled :

SW-2ME

Tot Ion:	95	Resp:	166262
Ion Ratio	Lower	Upper	
95	100		
174	81.5	0.0	169.8
176	77.2	0.0	164.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

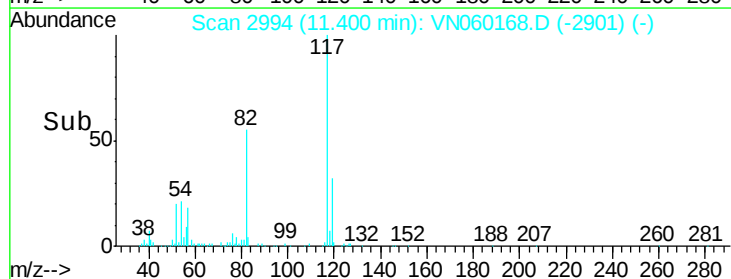
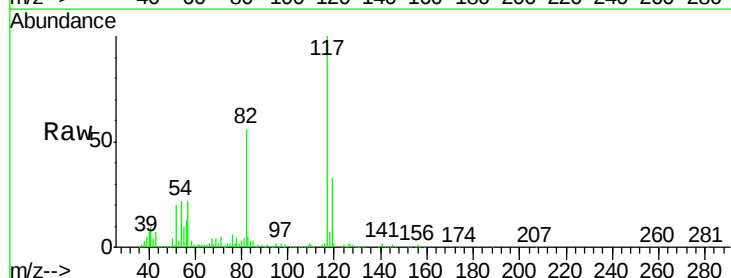
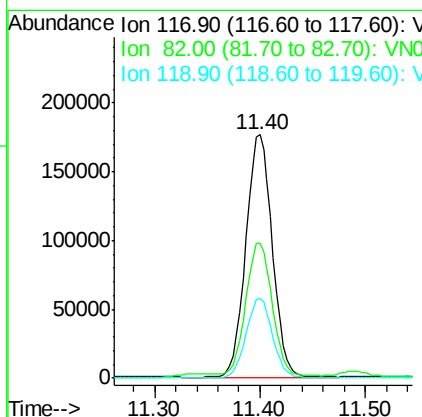
RT: 11.40 min Scan# 2994

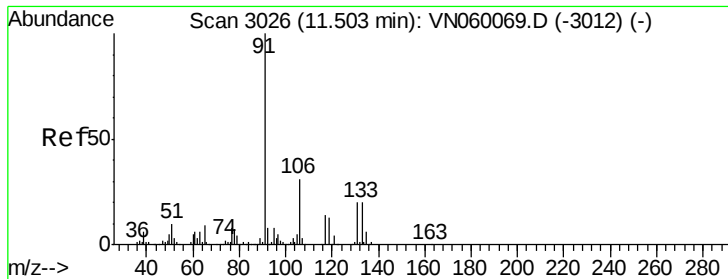
Delta R.T. -0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Tgt Ion:	117	Resp:	307215
Ion Ratio	Lower	Upper	
117	100		
82	53.9	43.4	65.0
119	32.7	25.8	38.6





#67

Ethyl Benzene

Concen: 439.815 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampled :

SW-2ME

Tot Ion: 91 Resp: 4964921

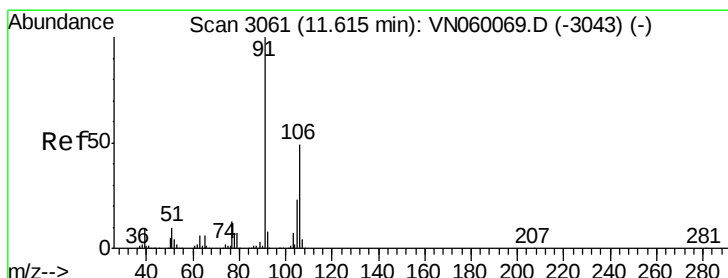
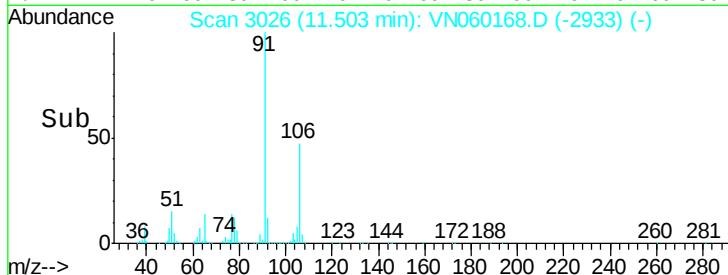
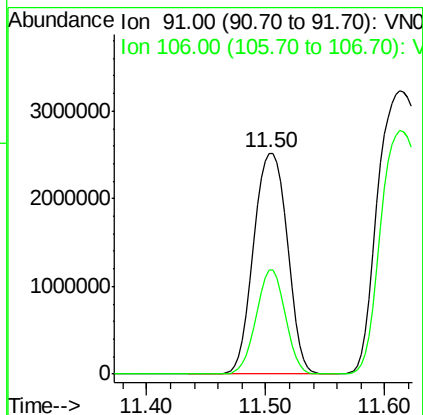
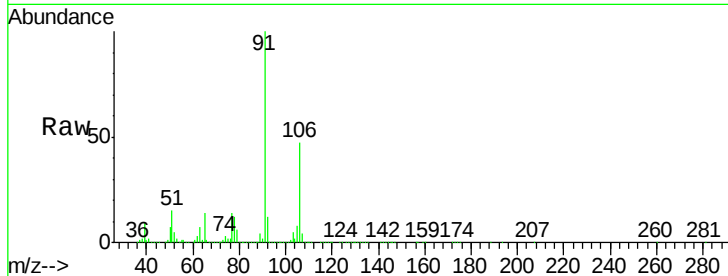
Ion Ratio Lower Upper

91 100

106 47.3 25.1 37.7#

Manual Integrations
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2/21/2020 9:14:48 AM



#68

m/p-Xylenes

Concen: 1555.033 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060168.D

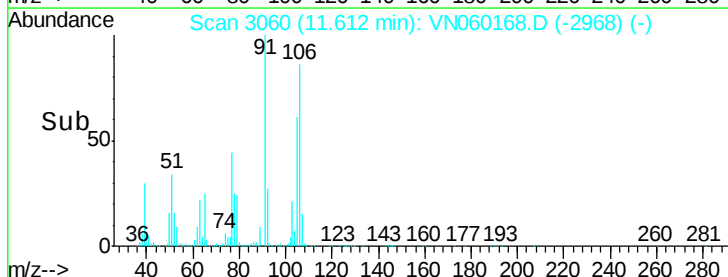
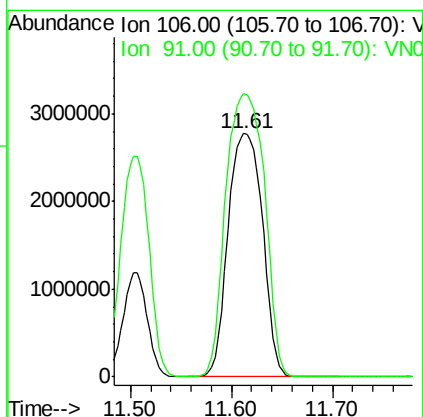
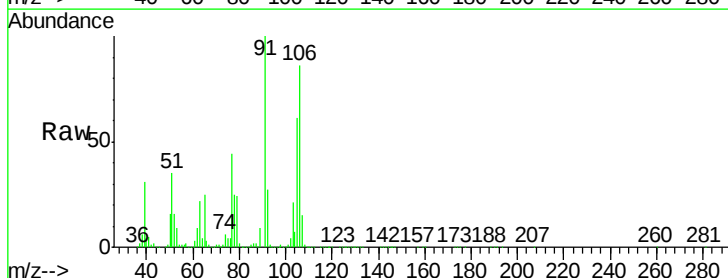
Acq: 20 Feb 2020 13:16

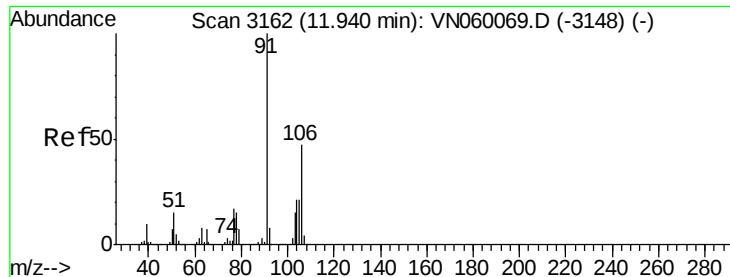
Tgt Ion: 106 Resp: 6588361

Ion Ratio Lower Upper

106 100

91 131.3 162.7 244.1#





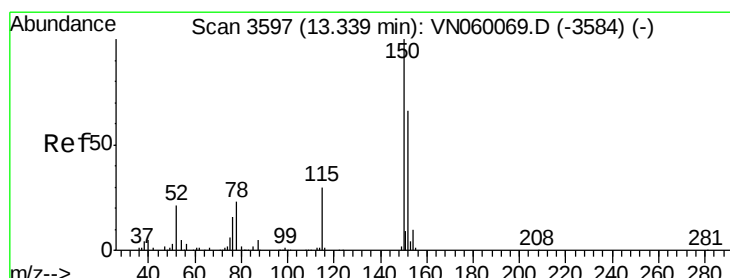
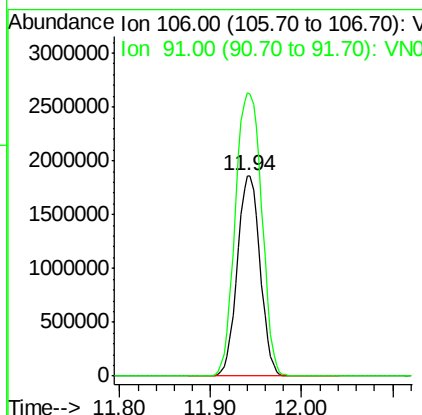
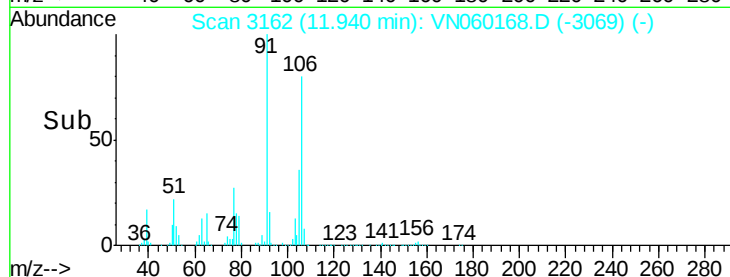
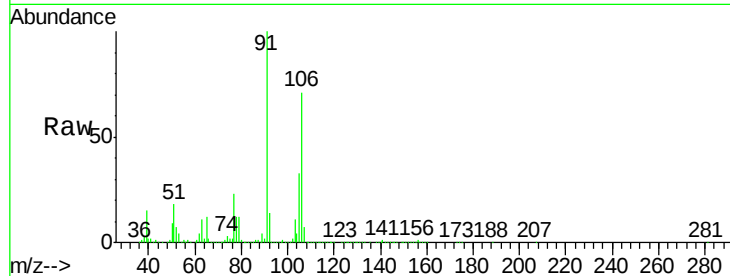
#69
o-Xylene
Concen: 793.280 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :
SW-2ME

Tot Ion:106 Resp: 3236077
Ion Ratio Lower Upper
106 100
91 163.7 107.2 321.6

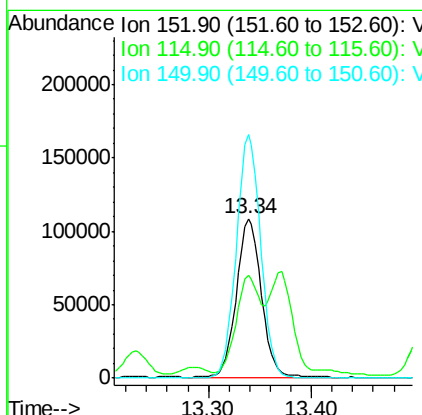
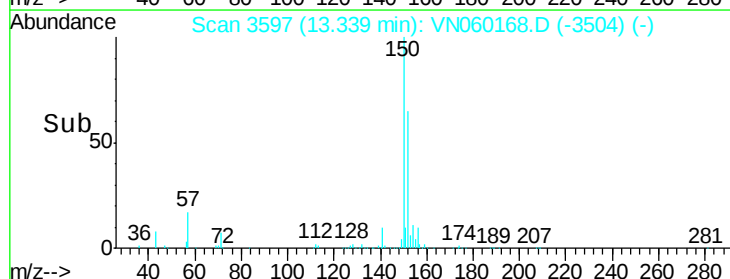
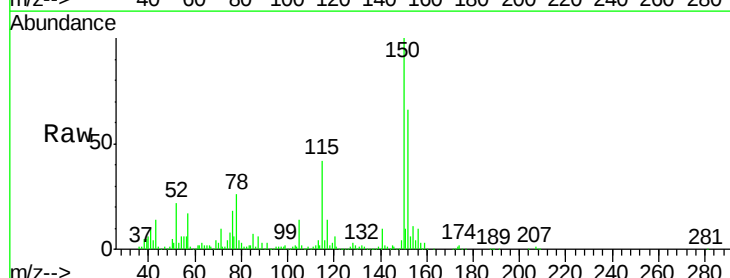
Manual Integrations
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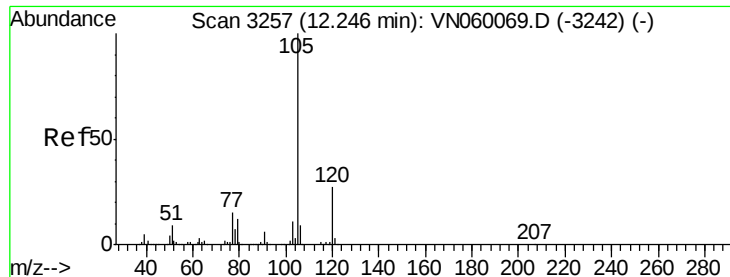
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2/21/2020 9:14:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion:152 Resp: 182652
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.8
150 149.2 0.0 342.4





#73

Isopropylbenzene

Concen: 51.379 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampled :

SW-2ME

Tot Ion: 105 Resp: 700790

Ion Ratio Lower Upper

105 100

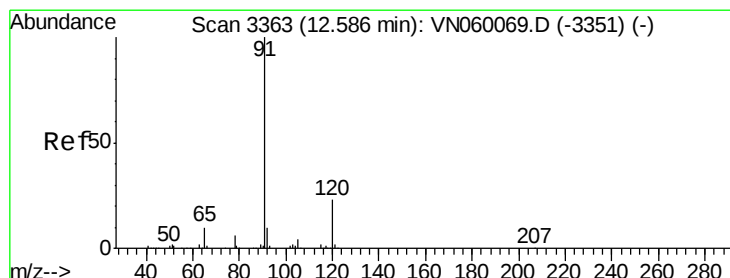
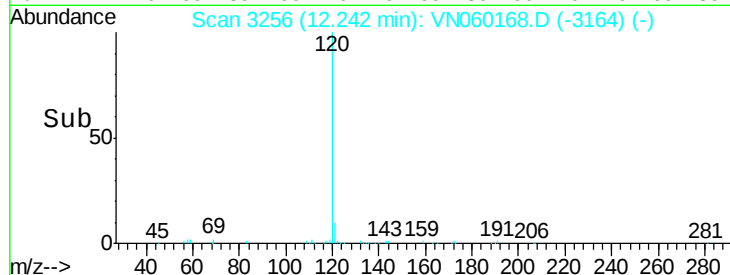
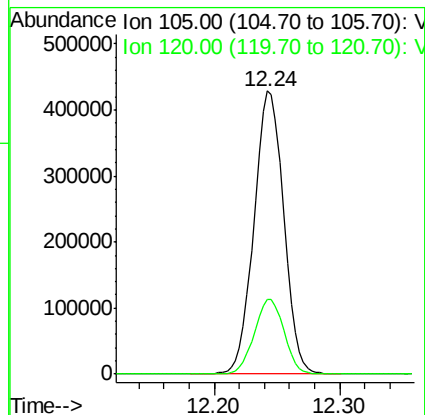
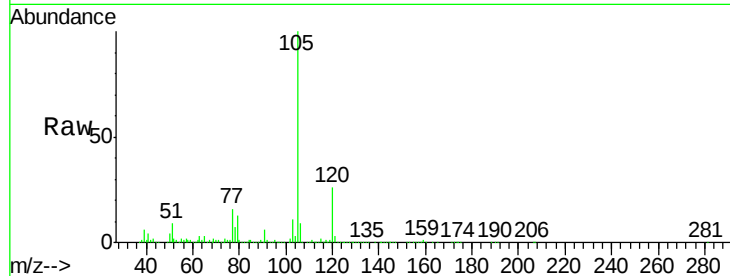
120 26.5 13.3 39.8

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#78

n-propylbenzene

Concen: 169.662 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060168.D

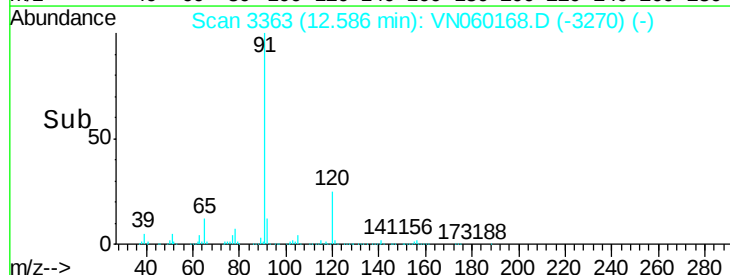
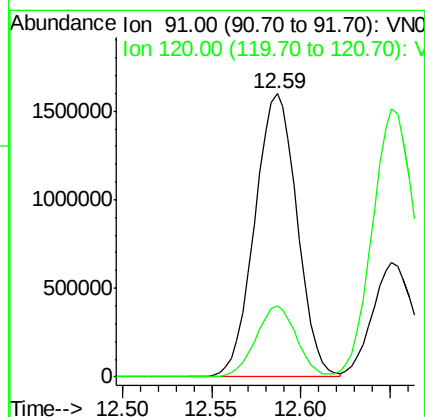
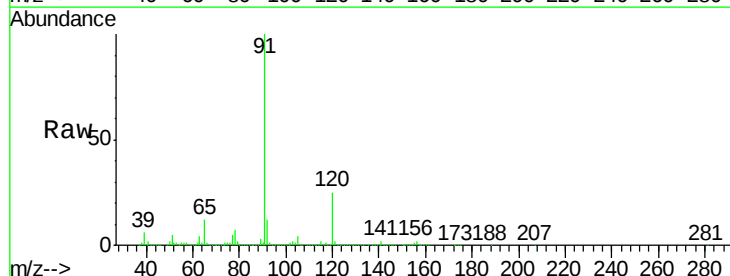
Acq: 20 Feb 2020 13:16

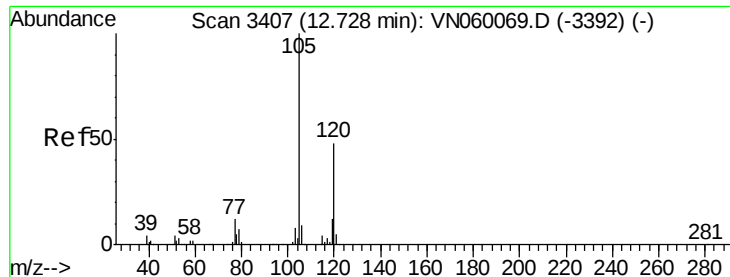
Tgt Ion: 91 Resp: 2636529

Ion Ratio Lower Upper

91 100

120 24.1 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 278.213 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampled :

SW-2ME

Tot Ion:105 Resp: 3155110

Ion Ratio Lower Upper

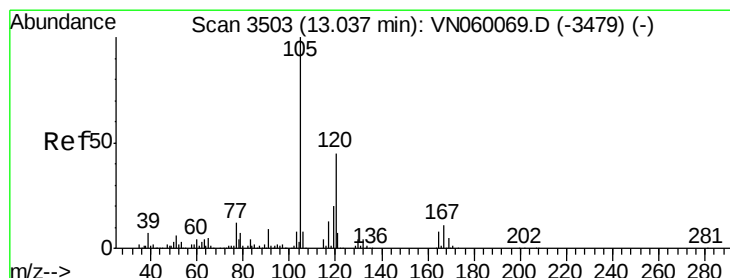
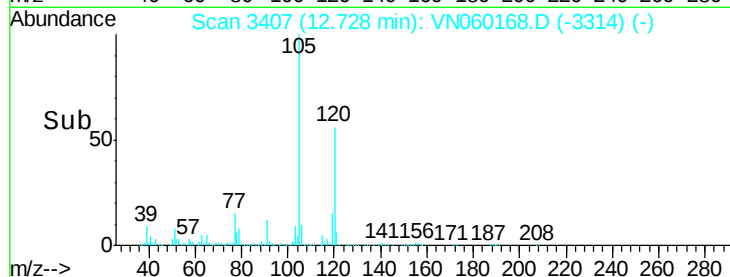
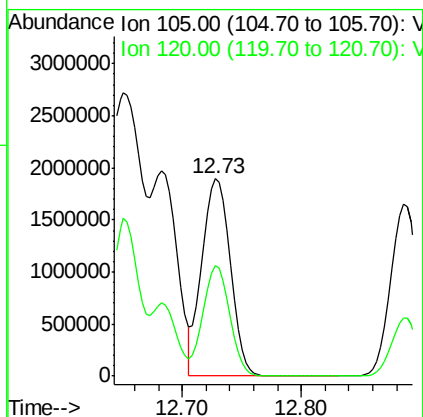
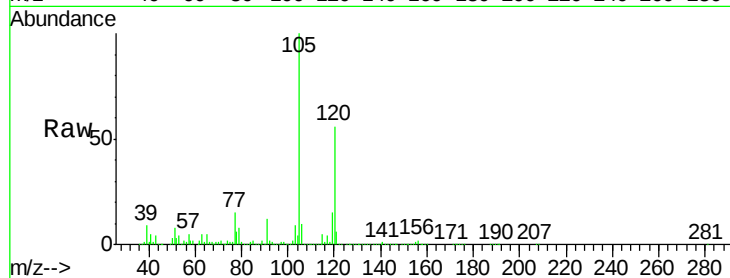
105 100

120 52.5 24.3 72.9

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#84

1,2,4-Trimethylbenzene

Concen: 568.782 ug/l m

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060168.D

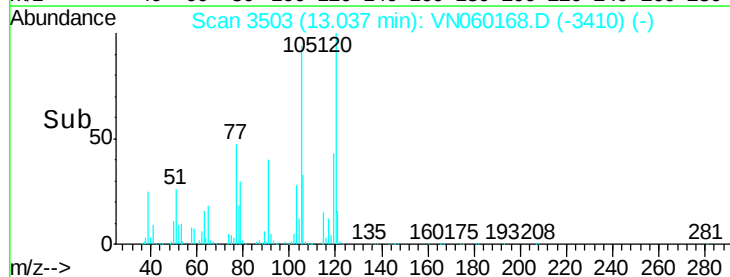
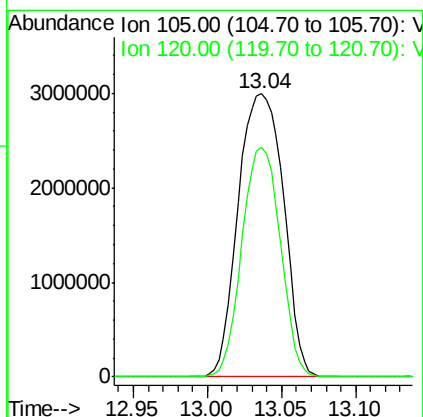
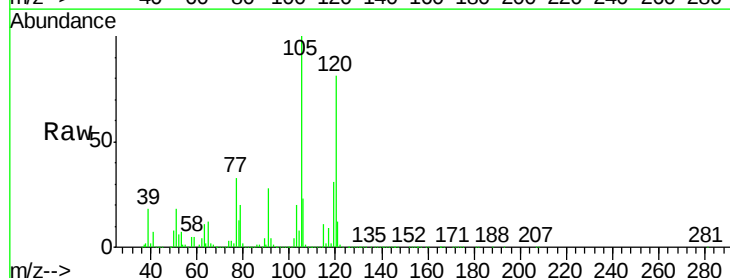
Acq: 20 Feb 2020 13:16

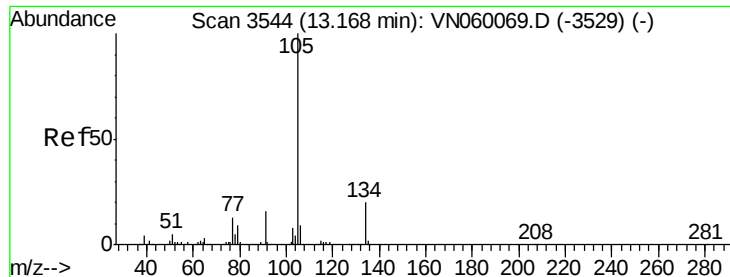
Tgt Ion:105 Resp: 6367294

Ion Ratio Lower Upper

105 100

120 13.9 22.4 67.3#





#85

sec-Butylbenzene

Concen: 19.794 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

SW-2ME

Tot Ion:105 Resp: 262989

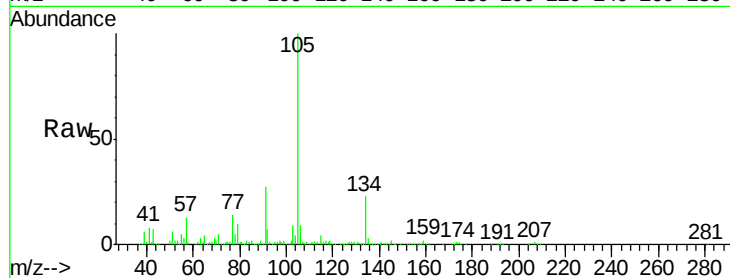
Ion Ratio Lower Upper

105 100

134 40.8 9.9 29.7#

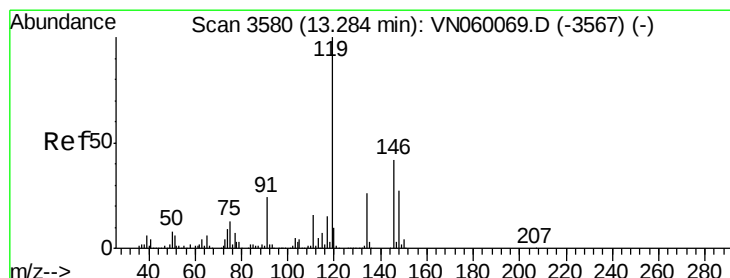
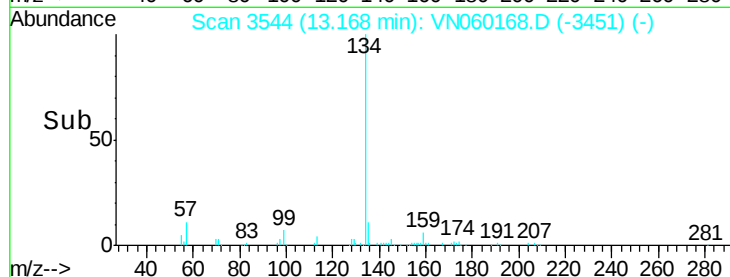
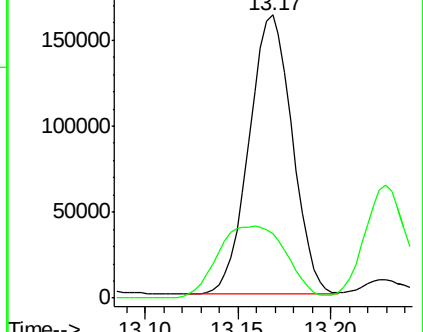
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.693 ug/l m

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

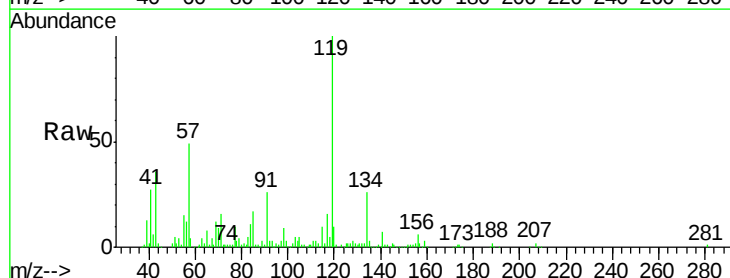
Tgt Ion:119 Resp: 116680

Ion Ratio Lower Upper

119 100

134 86.6 13.3 39.8#

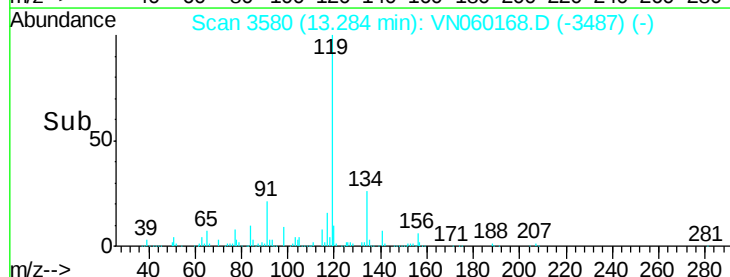
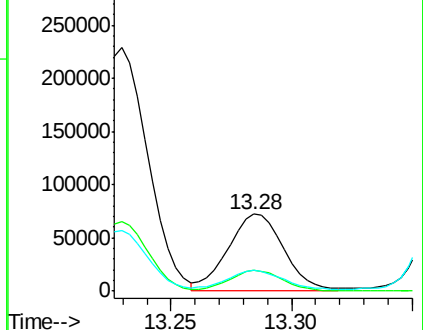
91 69.8 11.9 35.9#

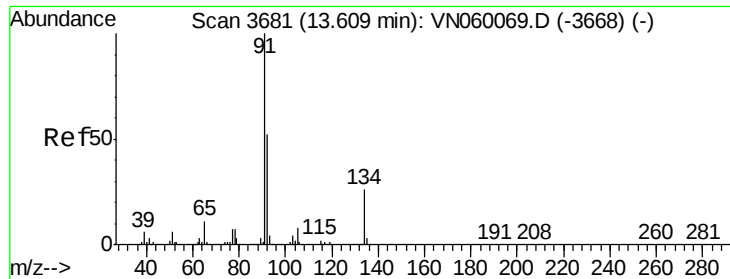


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





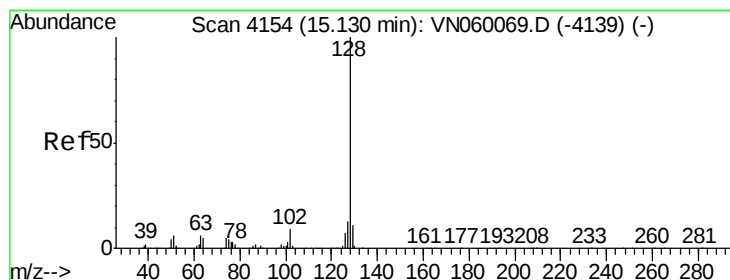
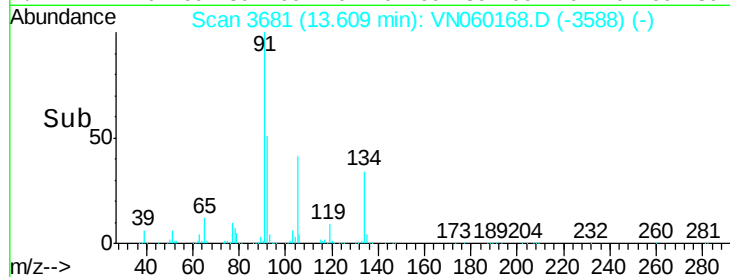
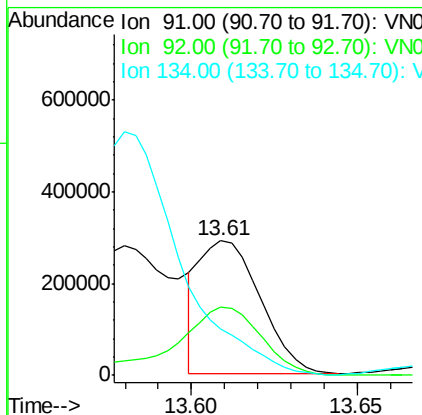
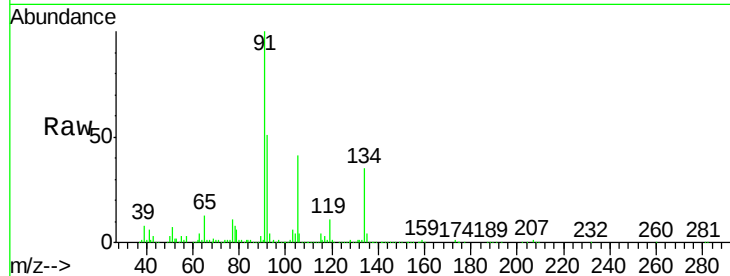
#89
n-Butylbenzene
Concen: 34.665 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :
SW-2ME

Tot Ion	Ratio	Lower	Upper
91	100		
92	74.9	26.1	78.2
134	0.0	13.1	39.3#

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#95
Naphthalene
Concen: 150.985 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.6	13.0

